**Science 9 – Biology Unit Learning Map**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **C** | **B** | **A** |
| Mitosis | I can draw a picture of the steps of mitosis with brief descriptions in my own words. (prophase, metaphase, anaphase and telophase) | I can model the steps.  My descriptions are clear and concise. | I can explain where mitosis is used.  I can demonstrate a cycle by showing a progression of steps. |
| Meiosis | I can draw a picture of the steps of meiosis with brief descriptions in my own words. (Same as mitosis but 2 of each) | I can model the steps.  My descriptions are clear and concise.  I can shows where crossing over and independent assortment occur. | I can explain where meiosis is used.  I can clearly demonstrate what crossing over and independent assortment are and where they occur. |
| Genetic Technologies | I can demonstrate an understanding of a reproductive technology by writing some pros and cons | I can demonstrate an understanding of a reproductive technologies by writing some pros and cons | I can see positive and negative factors of each technology and I can discuss acceptable uses of each technology. |
| Asexual Reproduction | Describe the advantages of YOUR organism's method of asexual reproduction | Describe the disadvantages of YOUR organism's method of asexual reproduction | Evaluate the effectiveness your organism's reproductions methods in comparison to human reproduction. |
| Sexual reproduction | Describe the advantages of YOUR organism's sexual reproduction | Describe the disadvantages of YOUR organism's sexual reproduction |